

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2002042326
PUBLICATION DATE : 08-02-02

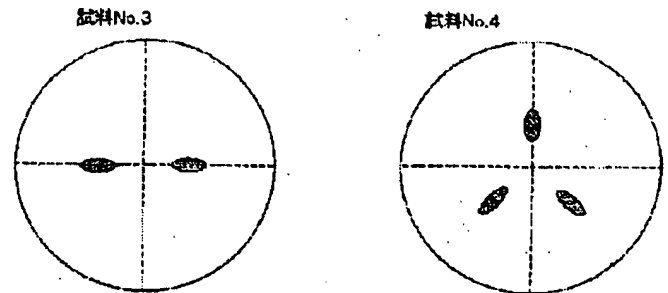
APPLICATION DATE : 19-07-00
APPLICATION NUMBER : 2000219220

APPLICANT : KYOCERA CORP;

INVENTOR : NAKAYAMA MASAHIRO;

INT.CL. : G11B 5/738 G11B 5/64 G11B 5/65

TITLE : MAGNETIC RECORDING MEDIUM



ABSTRACT : **PROBLEM TO BE SOLVED:** To solve the problems that conventionally anisotropy (modulation) in the coercive force caused by a single-crystal substrate and to provide a magnetic recording medium which has every little anisotropy of the coercive force in the medium plane and which is smooth and suitable for high recording density.

SOLUTION: The magnetic recording medium is manufactured by successively laminating a seed film of Ta or Si, a seed film having the bcc(110) orientation plane of NiAl, a base film having the bcc(110) orientation plane of Cr, and a CoCr alloy magnetic film with the hcp(100) orientation plane inclined in the medium plane direction with three orientation planes at 120° interval by each orientation in the medium plane on a single crystal substrate.

COPYRIGHT: (C)2002, JPO